

REMARKS/ARGUMENTS

After the foregoing Amendment, claims 44-57, 59, 62, 64, and 66-72 are currently pending in this application. Claims 44-45, 47, 49-51, 56-57, 59, 62, 64, 66-68, and 71-72 are amended. Claims 1-43, 58, 60-61, 63, and 65 are canceled.

Claim Rejections - 35 U.S.C. §103

Claims 44, 49, 59 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. 6,141,347 to Shaughnessy (hereinafter Shaughnessy) in view of WO 01 82645 to Emilsson (hereinafter Emilsson).

Claims 45-50, 53-57, 60, 62-64, and 68-72 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaughnessy in view of Emilsson and further in view of U.S. 5,930,248 to Langlet (hereinafter Langlet).

Claims 51, 52, 58, 66, and 67 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaughnessy and Langlet in view of Emilsson and further in view of U.S. 6,308,079 to Pan et al. (hereinafter Pan).

The Examiner admits, and the Applicants agree, that Shaughnessy fails to teach or suggest *receiving a multicast group paging message via a first one of a plurality of wireless channels, the multicast group paging message indicating a second one of the plurality of wireless channels over which to receive a multicast message* as presently claimed in independent claim 40, (see April 21, 2009 Office

Action, page 4, first paragraph.) The Examiner states that Emilsson teaches this feature.

Emilsson teaches as follows:

Said base stations are each arranged to transmit data on a broadcast carrier within a cell for all mobile stations in said cell to receive. The arrangement is characterized in that coding device is arranged in the fixed network, adapted to encoding of subscriber specific data by a key to a code. Data transmission device is arranged in the fixed network, adapted to broadcast transmission of subscriber specific data which have been encoded by said coding device, on one for Cell Broadcast service arranged data channel on said broadcast carrier. Mobile stations which have entitlement/authority to receive the subscriber specific data, that is mobile stations belonging to subscribers of the cell broadcast service, include decoding device/devices. This decoding device is adapted to decoding of said encoded subscriber specific data by said key to a code, which is symmetric with the key to a code which has been used for the encoding of the data in the fixed network. (See Emilsson, page 5, lines 11-29, *emphasis added*.)

Nowhere does Emilsson teach or even suggest *receiving a multicast group paging message via a first one of a plurality of wireless channels, the multicast group paging message indicating a second one of the plurality of wireless channels over which to receive a multicast message*. Instead, Emilsson teaches transmitting an encryption key to a mobile station for use in decoding a broadcasted message. A broadcasted message can then be received by a select group that has the encryption key.

In response to Applicants' previous arguments, the Examiner cites the following portion of Emilsson as teaching *receiving a multicast group paging*

message via a first one of a plurality of wireless channels, the multicast group paging message indicating a second one of the plurality of wireless channels over which to receive a multicast message.

In one practicing of the method according to the invention are included the steps of encrypt keys to codes by a first encryption key in the fixed network; transmit encrypted keys to codes from the fixed network on a first control data channel on said broadcast carrier; and to decrypt encrypted keys to codes in the subscriber's mobile station.

Further are preferably included the steps encrypt information about how said symmetric key to a code shall be used; transmit said encrypted information about how said symmetric key to a code shall be used on said first control data channel; encrypt entitlement information by the first encryption key in the fixed network; transmit encrypted entitlement information from the fixed network on a second control data channel on said broadcast carrier; and to decrypt said encrypted entitlement information in the subscriber's mobile station. (See Emilsson, page 11, line 32 to page 12, line 12.)

The referenced "entitlement information" is indirectly defined on page 8 of Emilsson as an encryption key. Again, as can be seen in the above mentioned citation, the encrypted entitlement information transmitted on a second control data channel is simply an encryption key. This portion of Emilsson does not teach or suggest *a multicast group paging message via a first one of a plurality of wireless channels, the multicast group paging message indicating a second one of the plurality of wireless channels over which to receive a multicast message* as claimed (emphasis added).

Independent claims 49 and 59, while not identical to claim 44, include features similar to claim 44. Accordingly, claims 49 and 59 are also allowable over the combination of Shaughnessy and Emilsson for at least the same reasons provided above with respect to claim 44.

Independent claim 64, while not identical to claim 44, includes features similar to claim 44. Accordingly, claim 64 is also allowable over the combination of Shaughnessy, Emilsson and Langlet for at least same reasons provided above.

Claims 45-48 depend upon independent claim 44. Claims 50 and 53-57 depend upon independent claim 49. Claims 60 and 62-63 depend upon independent claim 59. Claims 68-72 depend upon independent claim 64. Accordingly, these claims are allowable over the cited references of record for the same reasons provided above.

Claims 51, 52 and 58 depend upon independent claim 49, and claims 66 and 67 depend upon independent claim 64. Accordingly, these claims are allowable over the cited references of record for the reasons provided above.

Based on the arguments presented above, withdrawal of the 35 U.S.C. § 103 rejection of claims 44 – 72 is respectfully requested.

Applicant: Kevin L. Farley et al.
Application No.: 09/630,024

Conclusion

If the Examiner believes that any additional minor formal matters need to be addressed in order to place this application in condition for allowance, or that a telephonic interview will help to materially advance the prosecution of this application, the Examiner is invited to contact the undersigned by telephone at the Examiner's convenience.

In view of the foregoing amendment and remarks, Applicants respectfully submit that the present application is in condition for allowance and a notice to that effect is respectfully requested.

Respectfully submitted,

Kevin L. Farley et al.

By/Robert D. Leonard/
Robert D. Leonard
Registration No. 57,204

Volpe and Koenig, P.C.
United Plaza
30 South 17th Street
Philadelphia, PA 19103-4009
Telephone: (215) 568-6400
Facsimile: (215) 568-6499

RDL/mbt/kmc